

# JAPROZ SINGH SAINI

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## EDUCATION

**Georgia State University** *Dec 2026<sup>1</sup>*  
B.S. in Computer Science

- Cumulative GPA: 3.6
- Rocketry Club – Founding member · ATL Sikhs – Executive · Computer Science Club

## WORK EXPERIENCE

**Georgia State Production Network** *Sep 2023 – Jan 2024*  
*Engineering Assistant Atlanta, GA*

- Helped produce college football and basketball game shows for ESPN & performed camera work and graphics work
- Setup and make sure that equipment like cameras, hardware and networks work as intended
- Did the networking and cable management for music concerts

## SKILLS, LANGUAGES, INTERESTS

- **Languages:** English, Hindi/Urdu, Punjabi, Spanish
- **Programming:** C, Typescript, Python, C++
- **Tools:** Bash, Linux, Figma, VSCode, Sublime Text, Atom, Docker
- **Interests:** Computer architecture, CTFs, Sports, Engines, Hardware, AI, Cybersecurity

## CERTIFICATES

**CS50 - Introduction to Computer Science**  
Issued by *Harvard University* *Sep 2020*

**Google Certified Developer**  
Issued by *Google* *Oct 2020*

## HONORS & AWARDS

**1st place at Truist CTF** **Atlanta**  
Issued by *Truist Bank* *Nov 2024*

- Capture the Flag event organised by Truist Bank where my team came first and won a cash reward of \$2000+

**1st place at CodeDay Delhi** **New Delhi**  
Issued by *CodeDay* *Nov 2022*

- Took part in my first hackathon which consisted of around 200 high school students from all over India and won 1st place.

## PROJECTS

**Rum** Jun 2023 — C · Bash · Java

- A fully spec-compliant parser for the Java Class file format
- Went through the entire Class file format spec and modelled the parser based on that

**Vettel** Feb 2020 — C · Python

- A minimalistic key-value store written in C aimed at speed.
- Vettel performs better than existing key-value stores like Redis in some cases.

**Dino** Dec 2021 — TypeScript · NextJS

- A simple yet powerful note-editor with modern features like WYSIWIG editor, complex document nesting, and dark mode.
- Got features on the home page on ProductHunt with 24 hours of its launch

**Dom** Jun 2022 — C

- A unique way to create tiny web servers for testing purposes using a custom syntax config file
- Routes are specified alongwith bash commands that run when those routes are accessed and the data is sent back to the client

**Chronos** Sep 2023 — TypeScript · NextJS

- Chronos allows you to search documents, media, PRs etc. across storage platforms like GDrive, Dropbox, Github etc.
- All of the data is stored in the respective storage platforms maintaining user privacy and trust.

## OPEN SOURCE CONTRIBUTIONS

**Fprime** Jan 2024 — C++  
JPL's flight software embedded framework

**JSD** Sep 2023 — C  
NASA JPL SOEM device drivers

**Fig Autocomplete** Aug 2021 — Typescript  
IDE like autocomplete for terminals

<sup>1</sup> Accelerated graduation – Completing in 3.5 years in place of the standard 4-year

<sup>2</sup> Code for this resume hosted at <https://github.com/japrozs/resume>